

Notice of Allowability

Application No.

09/470,444

Examiner

Cindy Nguyen

Applicant(s)

SRIVASTAVA ET AL.

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/08/05.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Am
02/21/07

DETAILED ACTION

This is in response to amendment file 08/08/05.

Allowable Subject Matter

Claims 1-19 are allowed .

The following is an examiner's statement of reasons for allowance:

The Joreme et al. failed to disclose or suggest the three Lists include a continuous attribute List for each continuous attribute, a discrete attribute List, and a cost attribute List. Each continuous attribute Lists contains the continuous attribute values, separating the data into at least three lists, (ii) adding a label to each of the continuous attribute lists, the discrete attribute list and the cost attribute list; (iii) sorting the continuous attribute lists based on a continuous attribute value in each row of the continuous attribute lists; and (iv) adding a label to the cost list.. The discrete attribute lists contains the discrete attributes and the discrete attribute values. The cost attribute list contains the costs output values, the label added to each list is an index of a tuple to which the respective attribute value belongs within the relational data table. The label of step (b) added to the cost list is a cost flag, initially set to one, that indicates whether the tuple containing the cost output value is enclosed within the hyper-rectangle. As described above, the Joreme et al. does not disclose separating the data into at least three lists, while Joreme et al. presents a procedure directed towards this goal based on the notion of patient rule induction, this patient strategy is contrasted with the greedy ones used by most rule induction methods, and semi-greedy ones used by partitioning

tree techniques presented in data mining . Accordingly, Claim 1 is in a condition for allowance.

Claims 3-11 are depended on claim 1, therefore they are also object able.

The following is an examiner's statement of reasons for allowance: The Jerome et al. failed to discloses: In a parallel architecture computer system having a large disk resident data set, a method of analyzing the disk resident data set using a patient rule induction method (PRIM), comprising steps of separating the data into A_c+2 lists, such that a list is generated for each continuous attribute to form A_c continuous attribute lists containing the continuous attribute values, a discrete attribute list containing the A_d discrete attribute and the discrete attribute values and a cost attribute list containing the cost output value as recited in claims 12 and 16.

Claims 13-15 and 17-19 are depended on claims 12 and 16, therefore they are also allowable.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cindy Nguyen whose telephone number is 571-272-4025. The examiner can normally be reached on M-F: 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone numbers for the

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organization where this application or proceeding is assigned are 703-872-9306 for regular communications and 703-872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.



Cindy Nguyen
November 1, 2005



FRANTZ COBY
PRIMARY EXAMINER